UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.usplo.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/813,269	03/31/2004	Lawrence Shah	A8700	5356
23373 SUGUDUE M	7590 09/21/2007	. EXAMINER		
SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			. NGUYEN, DUNG T	
			ART UNIT	PAPER NUMBER
WASHINGTO	11, 50 20037		2828	
			MAIL DATE	DELIVERY MODE
			09/21/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/813,269	SHAH ET AL.				
Office Action Summary	Examiner	Art Unit				
	Dung (Michael) T. Nguyen	2828				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)⊠ Responsive to communication(s) filed on 16 Au	igust 2007					
	action is non-final.					
· <u> </u>	☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-31 and 48-79</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-6, 8-22,24-31,48-54,56-70, and 72- 79</u> is/are rejected.						
7)⊠ Claim(s) <u>7,23,55 and 71</u> is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) A) Interview Summary (PTO-413) Paper No(s)/Mail Date						
5) Information Disclosure Statement(s) (PTO/SB/08)						
Paper No(s)/Mail Date	6)					

OFFICE ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 11-15, 48-51, 59-62 are rejected under 35 U.S.C. 102(b) as being anticipated by Palese (2002/0131164).

With respect to claims 1-3, 11-15, 48-51, 59-63, Fig.1-3 shows an apparatus for generating optical pulses, wherein each pulse may have individualized characteristics, the apparatus comprising:

laser means 114 (fiber amplifier and diode pumps 18) for generating the bursts of composite pulses (it is understood that the pulses are composite because of the fixed duration threshold between two pulses) and for amplifying said composite pulses in a same fiber amplifier;

control means 128 that controls the laser means; and

beam manipulation means 24 and 124 for monitoring the wavelength characteristics (spectrometer (power meter) 24) and a variable repetition rate (photodiode 124 measures a rep. rate as stated in claim 4 of this application) of the composite pulse bursts and generates feedback data for the control means for pulse wavelength control and the variable repetition rate (para.0009).

Application/Control Number: 10/813,269

Art Unit: 2828

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 4-6, 8, 16-22, 24, 26-31, 52-54, 56, 64-70, 72, and 75-79 are rejected under 35 U.S.C. 103(a) as being unpatentable over Palese (2002/0131164) in view of Kane (6219142).

With respect to claims 4, 16-20, 27-31, 52, 64-68, and 75-79, Palese disclose all limitations of the claims except for the means for monitoring the pulsewidth (optical gating device).

Kane teaches the means for monitoring the pulsewidth (optical gating device) in Fig.1.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide Palese what is taught by Kane to monitor the laser pulsewidth (col.3, 1.39-60).

With respect to claims 5-6, 21-22, 53-54, and 69-70, Kane discloses in Fig.1 the means 14 for converting an optical frequency comprising at least one optical member that converts a portion of the fundamental of the laser pulses into at least one higher order harmonic signal.

With respect to claims 8, 24, 56, and 72, Kane discloses in Fig.1 a spectrometer 16.

With respect to claims 26, Kane discloses the beam profiler (col.22, l.28-34 describes the same meaning as a profiler).

Claims 9, 25, 57, and 73 are rejected under 35 U.S.C. 103(a) as being unpatentable over Palese (2002/0131164) in view of Kane (6219142) and further in view of DeSimone (5933274).

Palese and Kane disclose all limitations of the claims except for the telescope and steering optics.

DeSimone teaches in Fig.1 and col.3, lines 14-24 the telescope and steering optics.

it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide Palese and Kane what is taught by DeSimone to allow accurate beam alignment to a cross hair mark on the target and to allow the user to control the plane of ablation (col.3, lines 18-24).

With respect to claims 10, 58, and 74, Kane discloses the beam profiler (col.22, l.28-34 describes the same meaning as a profiler).

Allowable Subject Matter

Claims 7, 23, 55, and 71 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The above prior art fail to disclose the limitations as recited in the claims.

Art Unit: 2828

Communication Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung (Michael) T Nguyen whose telephone number is (571) 272-1949. The examiner can normally be reached on 8:30 - 17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Min Harvey can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-3329.

Michael Dung Nguyen

Juny